

## Manual Mobile-Communication Interface

Inventor: Winfield Scott Stanley III, Tucson, AZ

### References Cited

#### US Patent Documents

4,870,686 9/1989 Gerson, Lindsley  
5,561,712 10/1996 Nishihara  
5,642,402 6/1997 Vilmi  
5,664,012 9/1997 Chen  
5,967,851 10/1999 Ozer  
6,035,217 3/2000 Kravitz  
5,965,848 10/1999 Altschul

D342,474 12/1993 Oki  
D344,484 2/1994 Allen  
D346,997 5/1994 Kurtis  
D347,612 6/1994 Allen  
D406,805 3/1999 Sacco  
D418,786 1/2000 Giamos

#### Other Publications

An Investigation of the Safety Implications of Wireless Communication in Vehicles,  
US Department of Transportation, HS 808-635, November 1997

Association between Cellular-Telephone Calls and Motor Vehicle Collisions,  
The New England Journal of Medicine -- February 13, 1997 -- Vol. 336, No. 7,  
Donald A. Redelmeier, Robert J. Tibshirani

### ABSTRACT

A mechanical user-interface for a wireless communications device (including cell phones, mobile phones, and computer-based wireless communications devices) enabling a motor-vehicle operator to keep both hands on the steering wheel while manually initiating, receiving, terminating, fielding or otherwise transacting wireless communications. This mechanical user interface (MUI) may be understood to operate as a cell-phone and/or wireless-communication keypad coupled to an automobile's steering wheel. By use of the MUI, a vehicle operator may then manually initiate, receive, terminate, field, and otherwise transact phone calls/communications via a host or integrated cell-phone or other wireless communications device, thereby eliminating the need to take his hands from the wheel in the context of these operations. The MUI keypad includes, but is not limited to the many features of cell phone and computer-based communication devices. The MUI may then connect to a headset through use of infra-red sensors, rf signal, or direct-wire connect. The device enables a user to operate keypad functions, and speak on the phone without the need to withdraw his hands from the steering